GOVERNMENT OF ANDHRA PRADESH

ABSTRACT

Animal Husbandry Department - Tenders – National Animal Disease Control Programme (NADCP) with 100% Central share – Procurement of Cold Chain Infrastructure under NADCP – Procurement through GeM mandatorily as per Rule 149, GFR, 2017 – Floating of tenders through GeM – Approval of Specifications, Tender Document (RFP), Technical Committee for tender evaluation – Orders – Issued.

ANIMAL HUSBANDRY, DAIRY DEVELOPMENT & FISHERIES (AH.I) DEPARTMENT

G.O.Rt.No.136 Dated:09.06.2022.

Read the following:

1. G.O.Rt.No.246, AHDD&F (AH.I) Department, Dated:15.09.2021.
2. From the Director of Animal Husbandry, A.P., Vijayawada, Lr.Roc.No.AHF02-32/49/2021-EPID SEC-DAH, Dt:22.02.2022.
3. From Sri Upamanyu Basu, Joint Secretary, DAHD, MoF,AH&D, GoI, Krishi Bhawan, New Delhi, D.O.No.K-11053(5313)25/2019-LH-Part10/21433, Dated:28.03.2022.
4. Government Memo.No.1655307/AH.I/A3/2022, Dated:06.04.2022.
5. From the Director of AH, A.P., Vijayawada, Lr.Roc.No.AHF02-32/49/2021-EPID SEC-DAH, Dt:18.04.2022 & 22.04.2022.
6. Government Memo.No.1655307/AH.I/A3/2022, Dated:10.05.2022.
7. From the Director of Animal Husbandry, A.P., Vijayawada, Lr.Roc.No.AHF02-32/49/2021-EPID SEC-DAH, Dt:12.05.2022.

-o0o-

ORDER:

In the circumstances reported by the Director of Animal Husbandry, A.P., Vijayawada in his letters references 2nd, 5th & 7th read above, Government after consideration hereby accord permission to the Director of Animal Husbandry A.P., Vijayawada, to procure the following three Cold Chain Infrastructure under NADCP through GeM portal as per GFR 2017 adhering to the specifications and terms communicated in the guidance document from the Government of India subject to the available terms and conditions and specifications in GeM Portal and in cancellation of the orders issued in G.O.Rt.No.246, Dt:15.09.2021. The revised RFP document is hereby approved.

1. Walk-in-Cold Rooms (50 units)
2. Ice-Lined-Refrigerators (1000 units)
3. Deep Freezers (50 units)

2. Government also hereby constitutes the technical ccommittee with the following Members for technical evaluation in GeM.

Sl No	Committee	Designation
1	Director of Animal Husbandry AP, Vijayawada	Chairman
2	Additional Director (AH), Health O/o DAH, AP Vijayawada	Member
3	Joint Director (AH), VBRI, Vijayawada	Member
4	Assistant Director (AH), IT cell O/o DAH, AP, Vijayawada	
5.	Engineer-1, Department of ECE, PVP Siddhartha Institute of Technology, Vijayawada	Member
6	Engineer-2 Department of Mechanical PVP Siddhartha Institute of Technology, Vijayawada	Member
7	Representative from APUIAML, O/o DAH, AP, Vijayawada	Member
8	Deputy Director (AH), Epidemiology O/o DAH, AP, Vijayawada	Member Convener

3. The Director, Animal Husbandry Department, Andhra Pradesh, Vijayawada, shall take necessary action accordingly.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)

To
The Director, Animal Husbandry Department, Andhra Pradesh, Vijayawada.
Copy to:
The P.S. to Minister (AHDD&F), A.P. Secretariat.
The P.S. to Spl C.S to Government, AHDD&F (FAC) Department.
SF/SC. (Computer No.1655307)

//FORWARDED::BY ORDER//

SECTION OFFICER

(Annexure to G.O.Rt.No.136, AH,DD&F(AH.I) Department, Dated:09.06.2022)

REQUEST FOR PROPOSAL (RFP)

SELECTION OF AGENCY(S) FOR

SUPPLY & INSTALLATION OF

1. DEEP FREEZER
2. ICE LINED REFRIGERATORS
3. WALK-IN-COLD ROOMS

1. **Bid Inviting Authority**: Director, Animal Husbandry Department
2. **Proposal Validity**: As per GEM Guidelines
3. **Experience towards minimum Eligibility**:

i) Supply & Installation of Deep Freezer

a) The Bidder shall be a Manufacturer / Authorized Agency or Distributor or dealer. The OEM of the product should have supplied the subject product to any of Institutions / MNCs / Firms/ Educational / Research Institutes in India with minimum experience of _____ years (No. of years as per GEM Guidelines) preceding the bid due date. (Details of supply along with 2 invoices per year for 3 years to be submitted). Submission of same invoices of OEM by different bidders will not be allowed. Bidders quoting as Authorized Agency/ Distributors / dealers of the manufacturer (OEM) will be considered provided the Bidder furnishes Authorization from the Manufacturer to participate in this tender Specifically quoting the tender reference number in the Authorization Letter.

b) OEM should be registered and operating in India from past 5 years continuously and should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) from relevant business in the last three years preceding the Bid due date.

c) Bidder should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) in the last three years preceding the Bid due date.

(Audited CA certificate of OEM & Bidder stating the turnover shall be submitted)

Note: Exemption for Startup / MSME towards turnover & EMD as per GEM Guidelines.

d) The OEM should have supplied 50% of required capacity in the last 5 years preceding the bid due date. (The details of GST invoices - 2 Invoices per 6 months for last 5 years preceding the bid due date with contact no's to be submitted and also the capacity certification should be by any Govt. agency or Chartered Engineer).

e) OEM Manufacturer's factory should be ISO certified valid till Minimum 2023 and should possess an NABL accredited test lab for testing of its Condensing units as per ISO 17025: 2017 standard (TC- 6339).

f) The OEM should have an in-house Panel/Door manufacturing facility for manufacture of PUF panels should be cyclopentane based and should be set up under guidance of UNDP (United Nations Development program)

g) Bidder /OEM should provide Quality Assurance Plan (QAP) for insulating material.

h) Bidder / OEM should provide Corporate Occupational Health and Safety policy

i) The Bidder in case of Authorized Agency or Distributor or Dealer shall furnish GST Certificate Registered in AP / as per the GeM guidelines.
*Application of GST along with Acknowledgement shall be considered due to the current pandemic situation.
However, the Bidder should make the billing with such GST number registered in AP only, failing which the authority shall with hold any payments due to the selected bidder.

4. **Reverse Auction:** Applicable as per GEM guidelines
5. **EMD:** 1% of ECV (Validity & Applicability as per GEM Guidelines)
6. **Performance Security:** 2% of Quoted value by Selected bidder (Validity & Applicability as per GEM Guidelines)
7. **ECV:** As per GEM guidelines
8. **Quantity:** 50

9. **Financial Proposal:** The Applicants shall be required to submit their Financial Proposal in the format as provided in the GEM platform. **Criteria for selection of Service Provider would be the Lowest Quote (L1)** as quoted by the Bidder (per item / product) for the execution of the Assignment for the entire Agreement Period, upon the minimum eligibility qualification adhering to the reverse Auction guidelines.

10. **Mandatory Submissions:**
    - Online Payment towards EMD and Processing fee
    - Checklist of Submissions ~ Annexure 1
    - Covering Letter ~ Annexure 2
    - Similar Experience towards minimum eligibility ~ Annexure 3 (All supporting documents as mentioned in Experience towards minimum eligibility as a proof should be mandatorily submitted as single attachment.)
    - GST registration certificate (registered in Andhra Pradesh/ as per the GeM guidelines) and Pan card & any other certifications required under eligibility criteria ~ Annexure 4
    - Financial Experience towards minimum eligibility ~ Annexure 5
    - Power of Authority ~ Annexure 6
    - Firm Registration Certificate ~ Annexure 7 (Not required for Proprietary firm)
    - Affidavit of non-blacklisting by any client / authority in India ~ Annexure 8.
    - Authorized dealer certificate (As applicable) ~ Annexure 9
    - Startup/MSME Certificate (If applicable)
11. **Consortium / JV:** Not Allowed
12. **Technical Specifications:** Deep Freezer
    - Solid Door Freezer- 200-250 ltrs.
    - Door top orientation, Energy efficient, PUF insulation for long holding time. Temperature range: - 18 to - 20 Deg C
    - **Warranty and service:** Shall have a minimum of 4 service centers in Andhra Pradesh. Warranty for minimum period of 2 years on whole product and onsite service commitment for minimum period of 3 years from the date of expiry of warranty period. Compressor warranty for 10 years. Availability of spare parts should be for 10 years.
    - Refrigerant -R 600/R290 (Eco Friendly CFC Free)
    - PUF Insulation Thickness - 60-70mm Thick (Eco Friendly Cyclopentane based blowing agent)
    - Sheet thickness - 0.4 to 0.5mm
    - Dimensions (WXDXH)mm: 950 X 564 X 845 (Or similar)
    - Body Outer Liner: Pre coated GI Sheet
    - Body Inner Liner: Stucco Al/PP
    - Door Liner: PPGI
    - Evaporator: Aluminum/Steel
    - Condenser: Bundy Tube (Aluminum/Steel) Cooling
    - Technology: Direct Cooling Stabilizer Free Operation
    - Handle Type: Recessed
    - Handle Lock: Yes
    - Defrost: Manual
    - Rat Bite Safety: 0.4mm GI sheet at the bottom
    - Free Gas Charging under warranty if compressor is replaced.
    - External temperature Displays
13. **Deliverables / Timelines & Payment:** as per Purchase Order (GEM Guidelines)
14. **Delivery Locations:** As per attachment (BOQ)

S.No	Consignee / Reporting Officer	Address	Quantity	Delivery Days (Max 90)
1				
2				

15. **Demo:** The prospective Bidders shall demonstrate their product on the due date in order to verify the specifications & Quality as per the given criteria. The prospective bidders who fail to demonstrate / no participation shall not be considered for further process.

ICE LINED REFRIGERATORS (ILRS)

1. **Bid Inviting Authority:** Director, Animal Husbandry Department
2. **Proposal Validity:** As per GEM Guidelines
3. **Experience towards minimum Eligibility:**

i)Supply & Installation of Ice Lined Refrigerators (ILRs)

a) The Bidder shall be a Manufacturer/Authorized Agency or Distributor or dealer. The OEM of the product should have supplied the subject product to any of Institutions / MNCs / Firms/ Educational / Research Institutes in India with minimum experience of _____ years (No. of years as per GEM Guidelines) preceding the bid due date. (Details of supply along with 2 invoices per year for 3 years to be submitted). Submission of same invoices of OEM by different bidders will not be allowed. Bidders quoting as Authorized Agency/Distributors/dealers of the manufacturer (OEM) will be considered provided the Bidder furnishes Authorization from the Manufacturer to participate in this tender Specifically quoting the tender reference number in the Authorization Letter.

ii) OEM should be registered and operating in India from past 5 years continuously and should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) from relevant business in the last three years preceding the Bid due date.

iii) Bidder should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) in the last three years preceding the Bid due date.

(Audited CA certificate of OEM & Bidder stating the turnover shall be submitted)

Note: Exemption for Startup / MSME towards turnover & EMD as per GEM Guidelines.

iv) The OEM should have supplied 50% of required capacity in the last 5 years preceding the bid due date. (The details of GST invoices - 2 invoices per 6 months for last 5 years preceding the bid due date with contact no's to be submitted and also the capacity certification should be by any Govt. agency or Chartered Engineer).

v) OEM should process MSME, CE, WHO GMP Certifications in hand for the manufacturing facility.

vi) Bidder /OEM should provide escalation matrix for service and support with contact numbers.

vii) Warranty for minimum period of 2 years and onsite service commitment for minimum period of 3 years from the date of expiry of warranty period. Compressor warranty for 10 years. Availability of spare parts should be for 10 years.

viii) Bidder /OEM should maintain spares and be able to provide after sales support from a service center in Andhra Pradesh.

ix) Bidder /OEM should provide TOLL FREE numbers for support from 10AM – 6PM on all weekdays and should have option of TELUGU as regional language option. The TOLL-FREE number should be listed in OEM Website also.

x) The Bidder in case of Authorized Agency or Distributor or Dealer shall furnish GST Certificate Registered in AP / as per the GeM guidelines.

*Application of GST along with Acknowledgement shall be considered due to the current pandemic situation.
However, the Bidder should make the billing with such GST number registered in AP only/ as per the GeM guidelines, failing which the authority shall with hold any payments due to the selected bidder.

4. **Reverse Auction:** Applicable as per GEM guidelines
5. **EMD:** 1% of ECV (Validity & Applicability as per GEM Guidelines)
6. **Performance Security:** 2% of Quoted value by Selected bidder (Validity & Applicability as per GEM Guidelines)
7. **ECV:** As per GEM guidelines
8. **Quantity:** 1000
9. **Financial Proposal:** The Applicants shall be required to submit their Financial Proposal in the format as provided in the GEM platform. **Criteria for selection of Service Provider would be the Lowest Quote (L1)** as quoted by the Bidder (per item / product) for the execution of the Assignment for the entire Agreement Period, upon the minimum eligibility qualification adhering to the reverse Auction guidelines.

10. **Mandatory Submissions:**

- Online Payment towards EMD and Processing fee
- Check list of Submissions ~Annexure1
- Covering Letter ~Annexure2
- Similar Experience towards minimum eligibility ~ Annexure 3(All supporting documents as mentioned in Experience towards minimum eligibility as a proof should be mandatorily submitted as single attachment.)
- GST registration certificate (registered in Andhra Pradesh) and Pan card & any other certifications required under eligibility criteria ~ Annexure4
- Financial Experience towards minimum eligibility~ Annexure5
- PowerofAuthority~Annexure6
- Firm Registration Certificate ~ Annexure 7 (Not required for Proprietary firm)
- Affidavit of non-blacklisting by any client / authority in India ~Annexure8.
- Authorized dealer certificate (As applicable) ~Annexure9
- Startup/MSME Certificate (If applicable)
- External Temperature display

11. **Consortium / JV:** Not Allowed
12. **Demo:** The prospective Bidders shall demonstrate their product on the due date in order to verify the specifications & Quality as per the given criteria. The prospective bidders who fail to demonstrate / no participation shall not be considered for further process.
13. **Technical Specifications:** Ice Lined Refrigerators

Physical Requirement

i. Capacity: 300liters.
ii. Net Vaccine Storage Capacity: 190 to 210 liters within basket in place.
iii. Cabinet Type: Horizontal/ Chest
iv. Door type: Top Opening Solid Door with Handle with keys

Construction

- Internal: Stainless 304 grade steel 20 guage and an additional special ice lining consisting of Icepacks/Gel/Phase Change Materials (Nanoparticles)
- External: Corrosion Resistance (CR at least 1 mm thickness)
- Unit to be on Caster Wheels with Locks
- The unitshouldhavegroundclearanceofminimum100mm.
- Inlet of Capillary should be outside the PUF body.
- ON/OFF Switch and power indicator should be available
- Provision for drainage for the wastewater to be at the bottom

Technical Specification:

- Thickness of PUF insulation: Minimum of 110MM
- Holding time during power cuts: Minimum of 24 Hours and above.
- External Digital temperature display/Ampere meter/Voltmeter/Master controls
- Temperature controller with microprocessor to be provided (Calibrated-NABL)
- TemperatureRangeof+2 to +8DegreeC
- Temperature of a full vaccines to remain +2 deg C to +8 deg C during continuous availability of energy at ambient temperature +0 to +50 deg. C with intermittent/continuous electricity supply 8hrs in a 24hrs cycle.The temperature difference between any two points in the cabinet should not bemorethan+2deg.Conce stabilized.
- Hot and cold compressor starting at 172 volts (22%below rated voltage) to be provided.
- Cooling Type: Direct cooling (As per WHO Standards)
- Type: Compression Cycled, CFC-Free (both for refrigeration and insulation). All system tubing (suction tube, freezer tube and condensing tube) should be of minimum 99.97%of pure copper coil.
- Free Gas Charging under warranty if compressor is replaced.
- A Micro-processor-based control unit should be provided for setting of temperature and display following features:(WHO Standards)
- 3-digit digital display (to one decimal point) of cabinet temperature. The sensor should be placed 25 to 50 mm above base of storage chamber.
- Power on LED/LCD indicator
- Audio (minimum 65 dBA) and visual alarm against the violation of temperature range (less than +2 and more than +8 degree C)
- Min. & Max. cabinet temperature digital display of last 24 hrs. and breaches during last 24 hrs.
- The unit should be sealed protected from dust, moisture or condensed water falling over it.
- Accuracy for digital controller +-0.5degreecentigrade.
- Temperature Monitoring system with IOT (Cloud manage) should be supported.

System Configuration:

- Programmable Micro-processor control unit with child lock facility (NABL Calibrated)
- Should have provision to set minimum and maximum temperature at 0.1 degree Centigrade to program the unit for continuous operation.
- Should have provision for defrosting program.

Accessories and Spares:

- The equipment should have minimum warrantee of sixty months after installation or sixty- six months after the supply whichever is less.
- Vaccine Storage Basket allowing free circulation of air, having the size to be able to accommodate 6ofthemin the unit and suitable to match the net volume requirement.
- Stem Alcohol thermometer (specifications and standard as per MOHFW approvedAnnexure-1) - onepieceperunitrangeof-30 to+50 degree centigrade.
- The OEM is required to maintain all the spare parts throughout the warrantee period and not less than ten years.

Environmental factors:

- The unit shall be capable of being stored continuously in ambient temperature of 0 to 50deg C and relative humidity of 95%
- The plug should be flexible and unbreakable sealed rubber type.
- Eco friendly refrigerant:

Power Supply:

- Power input to be 220-240VAC, 50Hz as appropriate fitted with Indian 3PIN Single phase 5 to6 Amps plug
- Suitable power Stabilizer to be provided Along with the Machine. Stabilizer to be independent unit (External) with voltage range of110Volts –330Volts.

Standards and Safety:

- Product should be FDA or CE approved.
- Should meet WHO/UNICEF Standard WHO/PQS/E03/RF03.1.for Ice Lined Refrigerators and testing should be carried out from WHO certified lab/NABL/STQC Labs.
- The Master Calibrator should have traceability in NABL.
- Color code: WHITE

Documentation:

- A paper copy of user/operator manuals to be supplied in English.
- A paper copy of technical/wiring diagram/maintenance manuals to be supplied in English.
- Certificate of inspection for technical compliance from an independent laboratory approved / recognized by WHO certified /National Accreditation Board for laboratories/STQC Labs is essential.

Packing of the equipment during shipment:

- The OEM should provide strong and sufficient packing to ensure safe arrival of goods at the destination free from loss or damage.
- A vertical arrow should be marked at all sides of packages to ensure transportation of equipment in vertical position. TOP and BOTTOM should also be written.
- To put label and signage's for HANDLE WITH CARE ON ALL SIDES OF THECRATES as per packing& shipment norms.

Following messages should be written at the Top of the ILR

- Place refrigerator at least 10 cms away from the wall and 20 cms away from other equipment for free air circulation.
- Use voltage stabilizer provided with the ILR
- Safe temperaturerange+2to+8oC

- Open the lid, only when needed
- Keep all vaccine in wire baskets provided.
- Leave space between the vaccine boxes for air circulation.
- Place a thermometer in the basket in between the vaccines.
- Keep freeze sensitive and close expiry vaccines at TOP of the basket
- Keepheatsensitiveandfurtherexpirydatevaccinesinthebottomofbasket.
- Avoid removing thermometer from the unit while reading temperature.
- Net vaccine storage capacity in Liters.
- Hold overtime in hrs.

Other Requirements:

- ILR and External Stabilizer as a unit should be supplied in any given location in the state of Andhra Pradesh.

14. Deliverables / Timelines& Payment: as per Purchase Order (GEM Guidelines)
15. Delivery Locations: As per attachment (BOQ)

S.No	Consignee / Reporting Officer	Address	Quantity	Delivery Days (Max 90)
1				
2				

Walk-in-Cold Rooms (WICRs)

1. **Bid Inviting Authority:** Director, Animal Husbandry Department
2. **Proposal Validity:** As per GEM Guidelines
3. **Experience towards minimum Eligibility:**

i) Supply & Installation of Walk-In Cold rooms

a) The Bidder shall be a Manufacturer / Authorized Agency or Distributor or dealer. The OEM of the product should have supplied the subject product to any of Institutions / MNCs / Firms/ Educational / Research Institutes in India with minimum experience of _____ years (No. of years as per GEM Guidelines) preceding the bid due date. (Details of supply along with 2 invoices per year for 3 years to be submitted). Submission of same invoices of OEM by different bidders will not be allowed. Bidders quoting as Authorized Agency/ Distributors / dealers of the manufacturer (OEM) will be considered provided the Bidder furnishes Authorization from the Manufacturer to participate in this tender Specifically quoting the tender reference number in the Authorization Letter.

b) OEM should be registered and operating in India from past 5 years continuously and should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) from relevant business in the last three years preceding the Bid due date.

c) Bidder should have a Minimum Average Annual turnover of Rs._____ crores (Turnover as per GEM Guidelines) in the last three years preceding the Bid due date.

(Audited CA certificate of OEM & Bidder stating the turnover shall be submitted)

Note: Exemption for Startup / MSME towards turnover & EMD as per GEM Guidelines.

d) The OEM should have supplied 50% of required capacity in the last 5 years preceding the bid due date. (The details of GST invoices - 2 Invoice per 6 months year for last 5 years preceding the bid due date with contact no's to be submitted and also the capacity certification should be by any Govt. agency or Chartered Engineer).

e) OEM Manufacturer's factory should be ISO certified valid till Minimum 2023 and should possess an NABL accredited test lab for testing of its Condensing units as per ISO 17025: 2017 standard (TC- 6339).
f) The OEM should have an in-house Panel/Door manufacturing facility for manufacture of PUF panels should be cyclopentane based and should be set up under guidance of UNDP (United Nations Development program)
g) Bidder /OEM should provide Quality Assurance Plan (QAP) for Cold Room Panels.
h) Bidder / OEM should provide Corporate Occupational Health and Safety policy
i) Bidder /OEM should have 10 service points in Andhra Pradesh and all service calls to be centrally logged and first response to be within 6 Hrs along with Office set up in AP with in house service team.
j) Warranty for minimum period of 2 years and onsite service commitment for minimum period of 3 years from the date of expiry of warranty period. Compressor warranty for 10 years. Availability of spare parts should be for 10 years.
k) Bidder /OEM should provide TOLL FREE numbers for support from 10AM – 6PM on all week days and should have option of TELUGU as regional language option.
l) The Bidder in case of Authorized Agency or Distributor or Dealer shall furnish GST Certificate Registered in AP.
*Application of GST along with Acknowledgement shall be considered due to the current pandemic situation.
However, the Bidder should make the billing with such GST number registered in AP only, failing which the authority shall with hold any payments due to the selected bidder.

4. **Reverse Auction:** Applicable as per GEM guidelines
5. **EMD:** 1% of ECV (Validity & Applicability as per GEM Guidelines)
6. **Performance Security:** 2% of Quoted value by Selected bidder (Validity & Applicability as per GEM Guidelines)
7. **ECV:** As per GEM guidelines
8. **Quantity:** 50
9. **Financial Proposal:** The Applicants shall be required to submit their Financial Proposal in the format as provided in the GEM platform. **Criteria for selection of Service Provider would be the Lowest Quote (L1)** as quoted by the Bidder (per item / product) for the execution of the Assignment for the entire Agreement Period, upon the minimum eligibility qualification adhering to the reverse Auction guidelines.
10. **Mandatory Submissions:**
    - Online Payment towards EMD and Processing fee
    - Checklist of Submissions ~ Annexure 1
    - Covering Letter ~ Annexure 2
    - Similar Experience towards minimum eligibility ~ Annexure 3 (All supporting documents as mentioned in Experience towards minimum eligibility as a proof should be mandatorily submitted as single attachment.)
    - GST registration certificate (registered in Andhra Pradesh) and Pan card & any other certifications required under eligibility criteria ~ Annexure 4
    - Financial Experience towards minimum eligibility ~ Annexure 5
    - Power of Authority ~ Annexure 6
    - Firm Registration Certificate ~ Annexure 7 (Not required for Proprietary firm)
    - Affidavit of non-blacklisting by any client / authority in India ~ Annexure 8.
    - Authorized dealer certificate (As applicable) ~ Annexure 9
    - Startup/MSME Certificate (If applicable)

11. **Consortium / JV:** Not Allowed
12. **Technical Specifications:** Walk-in Cold Rooms

Sl. No.	Item Description
1	Cold Room Dimension: 2.36m (l)X 2.36m (W) X 2.39m(h) Temperature: 2-8 Deg C (irrespective of ambient)
A	Supply, Installation, Testing and commissioning of Cold room with 100mm thick PUF panels with Cam Locked arrangement between the panels. Panels should be with 40 +/- 2 kg/cum PUF density with PPGI lamination on both sides for wall and ceiling panels. The panels should be foamed with Eco friendly CFC/HCFC free polyurethane using Cyclopentane as the blowing agent. 90 Degree factory finished corner panels should be provided to ensure stability and should be PAD printed with the brand logo of the manufacturer. Cold Room colour to be RAL 9003 only.
A1.	Flooring of the cold room is to be provided with 100 mm PUF insulation fused with 6mm Marine Ply and to be provided with 1.2mm Al Chaquared sheet as final floor finish on top. Bottom should be with 0.4 mm PPGI sheet.
A2.	Cold room door should be flush type without any projections. Flush fit door shall be swing, hinged type with heavy duty fitting with non-corrosive coating. Clear opening of the door should be 34" X 78". Door should be provided with accessories like factory fitted Pad lock system, Posi seal, in- build anti condensation door heater, Sweeping gasket and human safety release knob
B	Supply, Installation, Testing and Commissioning of Evaporator unit with SS 304 grade MOC casing. Drain Tray of the Evaporator should be with SS finish. Evaporator should be with inner grooved Cu tubes for superior heat transfer and removable side panel for easy service. Capacity: 10000 BTUH. No of Fans : 2 Nos of 300 mm dia
C	Supply Installation, Testing and Commissioning of Air-Cooled condensing unit with Hermatically sealed reciprocating compressor. Condensing unit to be provided with Powder Coated GI casing of 0.7 mm Thickness and should be suitable for outdoor installation with base GI sheet thickness of 1.2mm. Canopy should be Hot dip galvanized sheet metal construction with polyester based powder coating which gives high resistance to corrosion Condensing unit should be fully loaded and factory fitted in all respects. All accessories like OLP, HP/LP cut out should be factory fitted. Unit should be with factory fitted suction and discharge valves. The compressor should be suitable for R22 Refrigerant. Filter drier for moisture protection to be provided.
D	Cold room should be provided with 40 watts vapour proof LED light fittings.
E	Cold Room to be provided with Micro-processor-based control panel (Indicator cum controller). Panel should be able to provide all faults and there should be provision of Alarm.
F	Free Gas Charging under warranty if compressor is replaced. Warranty: 2 years on the whole unit.

13. **Deliverables / Timelines & Payment:** as per Purchase Order (GEM Guidelines)
14. **Delivery Locations:** As per attachment (BOQ)

S.No	Consignee / Reporting Officer	Address	Quantity	Delivery Days (Max 90)
1				
2				

POONAM MALAKONDAIAH
SPECIAL CHIEF SECRETARY TO GOVERNMENT (FAC)